

Insert new claims 11-18, as follows:

11. A flow rate measuring apparatus for measuring flow rate of exhaust from a combustion engine having a rotating element that rotates during engine operation, said flow rate measuring apparatus comprising:

a flow meter capable of measuring the flow rate of the exhaust from the engine;

a control circuit for generating timing signals at predetermined intervals of rotation of the rotating element; and,

a transmitting/receiving circuit for receiving the timing signals from the control circuit to calculate flow rates of the exhaust relative to at least one timing pattern based on the periodic rotation of the rotating element.

12. The apparatus of claim 11, wherein said at least one timing pattern includes a timing pattern wherein said transmitting/receiving circuit measures flow rate at a fixed time within each period of rotation.

13. The apparatus of claim 11, wherein said at least one timing pattern includes a timing pattern wherein said transmitting/receiving circuit measures flow rate at variable times within each period of rotation.

14. The apparatus of claim 12, wherein said transmitting/receiving circuit calculates flow rate in accordance with a pattern independent of the rotation of the rotating element.

15. The apparatus of claim 13, wherein said transmitting/receiving circuit calculates flow rate in accordance with a timing pattern independent of the rotation of the rotating element.

16. The apparatus of claim 11, wherein said flow meter is an ultrasonic flow meter.

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17. A flow rate measuring apparatus as defined in claim 1, wherein said transmission modes include a transmission mode which permits an ultrasonic wave to be transmitted at a predetermined timing for every period of flow waveform of the fluid.

18. A flow rate measuring apparatus as defined in claim 1, wherein said transmission modes include a transmission mode which permits an ultrasonic wave to be transmitted at a timing shifted by a predetermined time for every period of flow waveform of the fluid.
